

SECRET

PHOTOGRAPHIC INTERPRETATION REPORT



BLACK SHIELD MISSION BX6710

20 JULY 1967

[Signature]
EOD _____
PI _____
RP *27* _____
KB *B* _____
DB _____
AF _____
NM _____
DJ *9* _____

NPIC/R-156/67
SEPTEMBER 1967

NO FOREIGN DISSEM

SECRET

GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

WARNING

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BLACK SHIELD MISSION 6710, 20 JUL 67

NPIC/R-156/67

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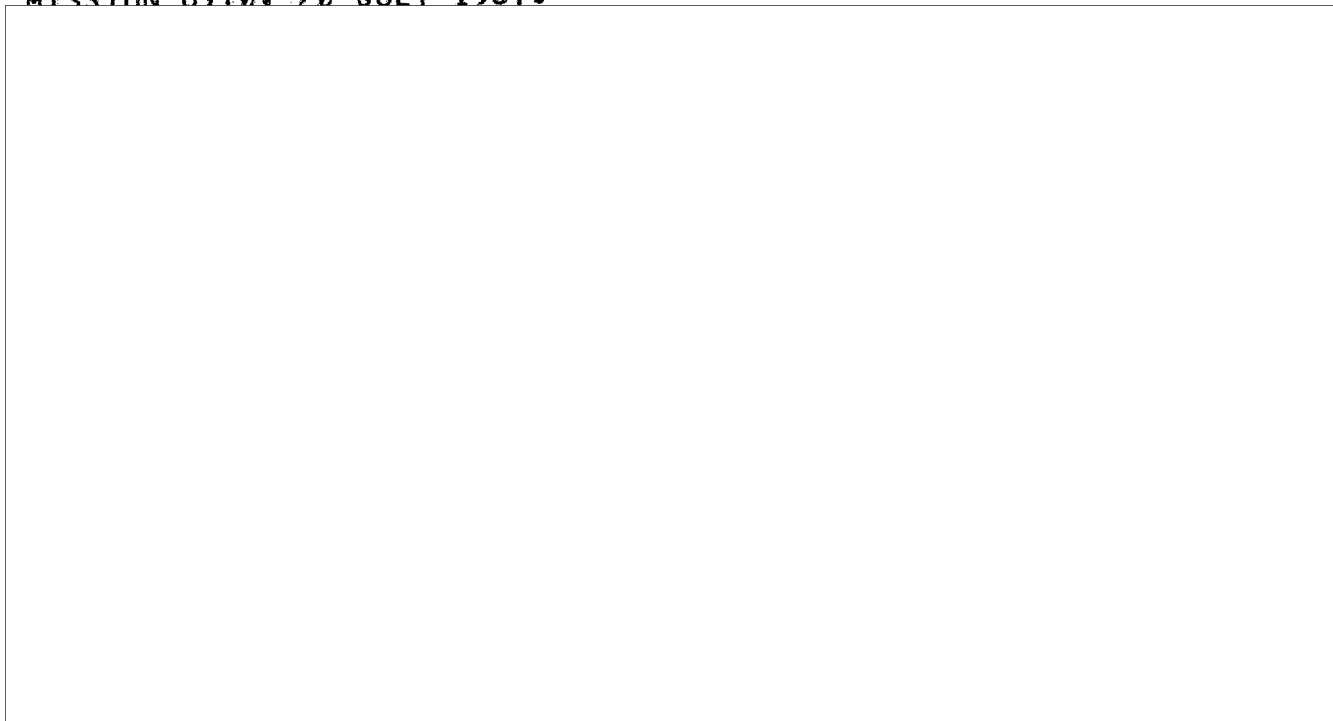
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BLACK SHIELD MISSION 6710, 20 JUL 67

NPIC/R-156/67

PREFACE

**THIS SUMMARY REPRESENTS AN ANALYSIS OF BLACK SHIELD
MISSION 6710, 20 JULY 1967.**



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Highlights

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BLACK SHIELD MISSION 6710, 20 JUL 67

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HIGHLIGHTS

NO EVIDENCE OF OFFENSIVE SURFACE-TO-SURFACE MISSILE EQUIPMENT OR FACILITIES OBSERVED.

THIS MISSION COVERS A TOTAL OF 80 SA-2 SITES -- 5 ARE OCCUPIED (ONE OF WHICH IS NEWLY IDENTIFIED), 63 ARE UNOCCUPIED (ONE OF WHICH IS NEWLY IDENTIFIED), AND 12 SITES ARE IDENTIFICATION ONLY.

THIS MISSION COVERS 6 MAJOR AIRFIELDS AND PROVIDES ORDER-OF-BATTLE INFORMATION ON 4 OF THESE.

HA NOI IS COVERED ON HAZY, OBLIQUE PHOTOGRAPHY, AND HAI PHONG IS COVERED ON GENERALLY HAZY PHOTOGRAPHY.

TWO NEW OCCUPIED AW/GCI RADAR FACILITIES ARE IDENTIFIED -- ONE IN THE HAI PHONG AREA AND ONE SOUTHWEST OF CAO BANG.

FOUR SHANGHAI-CLASS PTFS ARE OBSERVED FOR THE FIRST TIME AT PEI-LI PORT FACILITIES, HAI-NAN ISLAND, 4 NM SW OF PEI-LI.

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Missiles

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BLACK SHIELD MISSION 6710, 20 JUL 67

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MISSILES

25X1

SSM MISSILE SEARCH

VN

**NO EVIDENCE OF OFFENSIVE SURFACE-TO-SURFACE MISSILE
EQUIPMENT OR FACILITIES OBSERVED.**

LAD CAI SAM SEARCH

VN 2229N 10359E

NO NEW SAM SITES OR SAM-ASSOCIATED EQUIPMENT OBSERVED.

25X1

25X1

DIEN BIEN PHU SAM SEARCH

VN 2123N 10301E

**SIXTY-NM SEARCH AREA 20 PERCENT CLOUD COVERED. NO SAM
ACTIVITY OBSERVED IN CLOUD-FREE AREAS.**

25X1

25X1

CAO BANG SAM SEARCH AREA

VN 2240N 10615E

NO NEW SAM SITES OR SAM-ASSOCIATED EQUIPMENT OBSERVED.

25X1

25X1

DONG HOI SAM SEARCH AREA

VN 1728N 10637E

**NO NEW SAM SITES OR SAM-ASSOCIATED EQUIPMENT OBSERVED
IN CLOUD-FREE AREAS.**

25X1

25X1

HUANG-LIU AW RADAR FACILITY

CH 1832N 10845E

OB -- 1 UNIDENTIFIED RADAR.

25X1

25X1

HA NOI SAM SITE A10-2 (14)

VN 2101N 10558E

IDENTIFICATION ONLY.

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BLACK SHIELD MISSION 6710, 20 JUL 67

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25X1

25X1

25X1

HA NOI SAM SITE A19-2 (15)

VN 2055N 10550E

IDENTIFICATION ONLY.

25X1

25X1

HA NOI SAM SITE B04-2 (5)

VN 2111N 10559E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE B12-2 (3)

VN 2056N 10604E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE A11-2 (9)

VN 2100N 10555E

IDENTIFICATION ONLY.

25X1

25X1

HA NOI SAM SITE D36-2 (39)

VN 2132N 10547E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE C06-2 (32)

VN 2119N 10615E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE C07-2 (30)

VN 2116N 10619E

SITE IS UNOCCUPIED.

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BLACK SHIELD MISSION 6710, 20 JUL 67

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25X1

25X1

25X1

HAI PHONG SAM SITE A29-2 (21)

VN 2052N 10634E

FOUR UNOCCUPIED REVETTED LAUNCH POSITIONS OBSERVED IN CLOUD-FREE AREAS. THE CENTRAL GUIDANCE AREA IS UNOCCUPIED.

25X1

25X1

HAI PHONG SAM SITE A20-2 (25)

VN 2044N 10639E

SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS (ONE POSITION OCCUPIED WITH UNIDENTIFIED EQUIPMENT, ONE POSITION CLOUD COVERED, AND 4 POSITIONS UNOCCUPIED).

25X1

25X1

HAI PHONG SAM SITE A17-2 (34)

VN 2047N 10642E

SITE IS UNOCCUPIED.

25X1

25X1

HAI PHONG SAM SITE A29A-2 (37)

VN 2053N 10631E

SITE IS UNOCCUPIED.

25X1

25X1

HAI PHONG SAM SITE B33-2 (38)

VN 2107N 10630E

SITE IS UNOCCUPIED.

25X1

25X1

HAI PHONG SAM SITE C32-2 (58)

VN 2106N 10623E

IDENTIFICATION ONLY.

25X1

25X1

SECRET

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

NPIC/R-156/67
25X1

HAI PHONG SAM SITE C32A-2 (59)

VN 2106N 10622E

SITE IS UNOCCUPIED.

25X1



25X1

HAI PHONG SAM SITE B28-2 (60)

VN 2052N 10620E

SITE IS UNOCCUPIED.

25X1



25X1

HAI PHONG SAM SITE B30-2 (61)

VN 2059N 10621E

SITE IS UNOCCUPIED.

25X1



25X1

HAI PHONG SAM SITE A07-2 (55)

VN 2055N 10650E

SITE IS UNOCCUPIED.

25X1



25X1

HAI PHONG SAM SITE A23-2 (66)

VN 2045N 10635E

SITE IS UNOCCUPIED.

25X1



25X1

HAI PHONG SAM SITE A31-2 (70)

VN 2054N 10636E

SITE IS UNOCCUPIED.

25X1



25X1

HAI PHONG SAM SITE A33-2 (71)

VN 2056N 10636E

SITE IS UNOCCUPIED.

25X1



25X1

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BLACK SHIELD MISSION 6710, 20 JUL 67

NPIC/R-156/67

25X1

HAI PHONG SAM SITE C30-2 (72)

VN 2101N 10619E

SITE IS UNOCCUPIED.

25X1



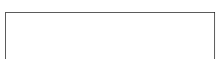
25X1

HAI PHONG SAM SITE C28-2 (73)

VN 2053N 10617E

SITE IS UNOCCUPIED.

25X1



25X1

HAI PHONG SAM SITE A17A-2 (86)

VN 2042N 10644E

SITE IS UNOCCUPIED.

25X1



25X1

HAI PHONG SAM SITE A33A-2 (93)

VN 2054N 10638E

SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS (4 OCCUPIED BY PROBABLE MISSILES ON LAUNCHERS AND 2 UNOCCUPIED), AND AN OCCUPIED GUIDANCE AREA.

OB -- 4 LAUNCHERS WITH PROBABLE MISSILES AND A GUIDANCE RADAR.

25X1



25X1

HA NOI SAM SITE D03-2 (41)

VN 2128N 10607E

SITE IS UNOCCUPIED.

25X1



25X1

HA NOI SAM SITE D04-2 (33)

VN 2125N 10612E

TWO UNOCCUPIED POSITIONS OBSERVED IN CLOUD-FREE AREAS.

25X1



25X1

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**NPIC/R-156/67
25X1**

HA NOI SAM SITE A17A-2 (45)

VN 2052N 10554E

IDENTIFICATION ONLY.

25X1



25X1

HA NOI SAM SITE C01-2 (53)

VN 2125N 10551E

SITE IS UNOCCUPIED.

25X1



25X1

HA NOI SAM SITE C05-2 (62)

VN 2117N 10605E

SITE IS UNOCCUPIED.

25X1



25X1

HA NOI SAM SITE C04-2 (54)

VN 2124N 10611E

SITE IS UNOCCUPIED.

25X1



25X1

HA NOI SAM SITE C02-2 (56)

VN 2122N 10558E

**SITE CONSISTS OF 5 REVETTED LAUNCH POSITIONS (3
OCCUPIED, 1 PROBABLY OCCUPIED) AND AN OCCUPIED REVETTED
GUIDANCE AREA.**

**OB -- 3 LAUNCHERS WITH MISSILES, 1 PROBABLE LAUNCHER,
AND A GUIDANCE RADAR.**

25X1



25X1

HA NOI SAM SITE C04A-2 (57)

VN 2120N 10608E

SITE IS UNOCCUPIED.

25X1



25X1

SECRET

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

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25X1

HA NOI SAM SITE C01A-2 (63)

VN 2129N 10554E

AT LEAST 4 REVETMENTS ARE UNOCCUPIED. CLOUDS LIMIT INTERPRETATION.

25X1

25X1

HA NOI SAM SITE B33-2 (64)

VN 2110N 10544E

SITE CONSISTS OF 6 REVETTED LAUNCH POSITIONS (3 PROBABLY OCCUPIED AND 3 WITH OCCUPANCY UNDETERMINED) AND A PROBABLY OCCUPIED GUIDANCE AREA.

OB -- 3 PROBABLE LAUNCHERS AND A PROBABLE GUIDANCE RADAR.

25X1

25X1

HA NOI SAM SITE D35-2 (75)

VN 2138N 10537E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE C13-2 (81)

VN 2045N 10613E

SITE IS PROBABLY UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE C11-2 (84)

VN 2055N 10615E

IDENTIFICATION ONLY.

25X1

25X1

HA NOI SAM SITE C12-2 (88)

VN 2052N 10611E

SITE IS UNOCCUPIED.

25X1

25X1

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25X1

HA NOI SAM SITE B07-2 (95)

VN 2108N 10609E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE D06-2 (105)

VN 2118N 10621E

SITE IS UNOCCUPIED.

25X1

25X1

BAC CAN SAM SITE C22-2 (76)

VN 2151N 10536E

SITE IS UNOCCUPIED.

25X1

25X1

BAC CAN SAM SITE B20-2 (90)

VN 2151N 10544E

IDENTIFICATION ONLY.

25X1

25X1

BAC CAN SAM SITE C20-2 (96)

VN 2144N 10542E

SITE IS UNOCCUPIED.

25X1

25X1

BAC CAN SAM SITE C19-2 (192)

VN 2138N 10546E

SITE IS UNOCCUPIED.

25X1

25X1

HAI PHONG SAM SITE D35A-2 (97)

VN 2123N 10634E

SITE IS UNOCCUPIED.

25X1

25X1

BLACK SHIELD MISSION 6710, 20 JUL 67

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25X1

HAI PHONG SAM SITE B07-2 (98)

VN 2059N 10700E

SITE IS UNOCCUPIED.

25X1



25X1

HAI PHONG SAM SITE B34-2 (104)

VN 2104N 10634E

SITE IS PROBABLY UNOCCUPIED.

25X1



25X1

HAI PHONG SAM SITE A06-2 (135)

VN 2056N 10648E

SITE CONSISTS OF 3 OCCUPIED UNREVETTED LAUNCH POSITIONS
AND A PROBABLY OCCUPIED GUIDANCE AREA.

OB -- 3 LAUNCHERS WITH PROBABLE MISSILES AND A PROBABLE
GUIDANCE RADAR.

25X1



25X1

HAI PHONG SAM SITE A14-2 (137)

VN 2049N 10643E

SITE IS UNOCCUPIED.

25X1



25X1

HAI PHONG SAM SITE C21-2 (157)

VN 2024N 10630E

SITE IS UNOCCUPIED.

25X1



25X1

HAI PHONG SAM SITE B27-2 (209)

VN 2049N 10623E

SITE IS UNOCCUPIED.

25X1



25X1

HAI PHONG SAM SITE A31A-2 (219) (NEW)

VN 2054N 10635E

NEWLY IDENTIFIED SITE LOCATED 6.2 NM NW OF HAI PHONG AT
UTM XJ653126 CONSISTS OF 3 OCCUPIED UNREVETTED LAUNCH

SECRET**BLACK SHIELD MISSION 6710, 20 JUL 67****NPIC/R-156/67****POSITIONS AND AN OCCUPIED GUIDANCE AREA.****OB -- 3 LAUNCHERS WITH PROBABLE MISSILES AND A GUIDANCE
RADAR.**

25X1 [] [] 25X1 25X1

HAI PHONG SAM SITE A14A-2 (220) (NEW) VN 2049N 10643E

**NEWLY IDENTIFIED SITE LOCATED AT THE HAIPHONG/CAT BI
AIRFIELD, 2.8 NM SE OF HAI PHONG AT UTM XJ788030.
SITE CONSISTS OF 3 LAUNCH POSITIONS SITUATED IN
AIRCRAFT REVETMENTS AND 1 UNRETTED LAUNCH POSITION,
ALL UNOCCUPIED, AND AN UNRETTED UNOCCUPIED GUIDANCE
AREA. SITE IS SIMILAR IN CONFIGURATION TO SITE NO 137
AND CAN BE NEGATED ON BLACK SHIELD**

25X1

25X1 []

25X1 [] [] 25X1

HA NOI SAM SITE B01-2 (119)**VN 2117N 10553E****SITE IS UNOCCUPIED.**

25X1 [] [] 25X1

HA NOI SAM SITE B01A-2 (124)**VN 2114N 10553E****SITE IS UNOCCUPIED.**

25X1 [] [] 25X1

HA NOI SAM SITE A33-2 (125)**VN 2109N 10546E****IDENTIFICATION ONLY.**

25X1 [] [] 25X1

HA NOI SAM SITE D36A-2 (126)**VN 2135N 10550E****SITE IS UNOCCUPIED.**

25X1 [] [] 25X1

SECRET

SECRET

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25X1

HA NOI SAM SITE C01B-2 (128)

VN 2128N 10552E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE A01-2 (133)

VN 2107N 10552E

IDENTIFICATION ONLY.

25X1

25X1

HA NOI SAM SITE C03-2 (138)

VN 2121N 10600E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE C03A-2 (141)

VN 2119N 10602E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE A14-2 (142)

VN 2056N 10558E

IDENTIFICATION ONLY.

25X1

25X1

HA NOI SAM SITE C32-2 (143)

VN 2119N 10531E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE B32-2 (146)

VN 2115N 10535E

SITE IS UNOCCUPIED.

25X1

25X1

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25X1

HA NOI SAM SITE B07A-2 (148)

VN 2109N 10608E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE B16-2 (162)

VN 2049N 10557E

IDENTIFICATION ONLY.

25X1

25X1

HA NOI SAM SITE C16-2 (166)

VN 2041N 10605E

IDENTIFICATION ONLY.

25X1

25X1

HA NOI SAM SITE A05-2 (158)

VN 2108N 10558E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE D36B-2 (168)

VN 2134N 10546E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE C03B-2 (167)

VN 2121N 10600E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE C05B-2 (171)

VN 2122N 10615E

SITE IS UNOCCUPIED.

25X1

25X1

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25X1

HA NOI SAM SITE B13-2 (184)

VN 2050N 10605E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE B04A-2 (186)

VN 2118N 10602E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI POSS SAM SITE (199)

VN 2134N 10600E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI POSS SAM SITE (200)

VN 2134N 10600E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI SAM SITE (205)

VN 2128N 10555E

SITE IS UNOCCUPIED.

25X1

25X1

VINH LINH SAM SITE A25-2 (177)

VN 1701N 10655E

SITE IS UNOCCUPIED.

25X1

25X1

VINH LINH SAM SITE A26-2 (187)

VN 1701N 10654E

SITE IS UNOCCUPIED.

25X1

25X1

17
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25X1

VINH LINH SAM SITE A28-2 (214)

VN 1703N 10653E

SITE IS UNOCCUPIED.

25X1

25X1

HA NOI PROB SA-2 MISSILE EQPT TRNG AREA

VN 2127N 10555E

NO APPARENT CHANGE

25X1

25X1

25X1

25X1

YU-LIN COASTAL DEFENSE AND RADAR SITE

CH 1811N 10929E

IDENTIFICATION ONLY.

25X1

25X1

YAI-CHENG PROBABLE RADAR SITE

CH 1818N 10910E

IDENTIFICATION ONLY.

25X1

25X1

THAI NGUYEN POSSIBLE MISSILE TRAINING AREA VN 2136N 10555E

NO COMRX

5.3 NM EAST OF THAI NGUYEN AT 21-36-30N 105-55-36E.
POSSIBLE MISSILE TRAINING AREA CONSISTS OF 5 AREAS.

AREA A (UTM WJ960895) -- CLOUD COVERED.

AREA B (WJ964896) -- NO ACTIVITY OBSERVED ON OVAL LOOP ROAD.

AREA C (WJ969897) -- AREA HAS BEEN SUBJECTED TO AIR STRIKES AND CONTAINS 1 U-SHAPED ADMINISTRATION BUILDING AND 1 SUPPORT BUILDING. ADDITIONAL PREVIOUSLY REPORTED BUILDINGS HAVE BEEN DESTROYED.

AREA D (WJ945892) -- A LARGE DRIVER-TRAINING COURSE WITH NUMEROUS WIDE RADIUS TURNS AND HEAVY TRACK SCARRING THROUGHOUT.

AREA E (WJ913900) -- A SMALL DRIVER-TRAINING AREA WITH

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SEVERAL WIDE-RADIUS TURNS.

ACTIVITY -- 1 TRUCK IN AREA D.

25X1



25X1

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Air Facilities

BLACK SHIELD MISSION 6710, 20 JUL 67 NPIC/R-156/67

AIR FACILITIES

25X1

LING-SHUI AIRFIELD

CH 1829N 10959E

IDENTIFICATION ONLY.

25X1

25X1

HAIPHONG/CAT BI AIRFIELD

VN 2049N 10643E

NO APPARENT CHANGE IN FACILITIES

25X1

OB -- NONE OBSERVED.

25X1

25X1

25X1

HAIPHONG/KIEN AN AIRFIELD

VN 2048N 10636E

OB -- NONE OBSERVED IN CLOUD-FREE AREAS.

25X1

25X1

HANOI/GIA LAM AIRFIELD

VN 2102N 10553E

IDENTIFICATION ONLY.

25X1

25X1

PHUC YEN AIRFIELD

VN 2113N 10548E

NO APPARENT CHANGE IN FACILITIES

25X1

OB -- 4 PROBABLE FISHBED, 7 PROBABLE FAGOT/FRESCO, 15
SWEPT/DELTA-WING, AND 1 SMALL UNIDENTIFIED AIRCRAFT.
POOR QUALITY PRECLUDES FURTHER INTERPRETATION.

25X1

25X1

25X1

LANG SON AIRFIELD

VN 2150N 10646E

1 NM SE OF LANG SON AT UTM XK834156.
3,700 X 250 FT NNW/SSE SOD RUNWAY, SERVICEABLE.
FACILITIES INCLUDE 6 REVETTED HARDSTANDS ON WEST SIDE
OF RUNWAY AND 11 REVETTED HARDSTANDS ON EAST SIDE OF

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RUNWAY.

OB -- 8 COLT.

25X1

25X1

25X1

KEP AIRFIELD

VN 2124N 10616E

1 NM SW OF KEP.

5,975 X 155 FT NE/SW RUNWAY, SERVICEABLE, WITH APPROXIMATELY 1,500 FT EXTENSION TO SW. LOW HILLS AT THE APPROACHES TO EACH END OF THE RUNWAY ARE BEING LEVELED AND THE CANAL TO THE SW HAS BEEN RECHANNELED TO ACCOMMODATE EXTENSION. PARALLEL TAXIWAY REMAINS UNSURFACED.

AIRCRAFT DISPERSAL AREA EAST OF SW END OF RUNWAY REMAINS UNDER CONSTRUCTION WITH 7 AIRCRAFT REVETMENTS COMPLETE AND AT LEAST 7 MORE REVETMENTS UNDER CONSTRUCTION. NW AIRCRAFT DISPERSAL AREA CONTAINS 13 AIRCRAFT REVETMENTS. FOUR AIRCRAFT REVETMENTS ARE LOCATED ON PARKING APRON AT NORTH END OF RUNWAY. ADDITIONAL FACILITIES INCLUDE 12 SMALLER REVETMENTS, 4 PROBABLE BARRACKS AND 1 MESSHALL, A DISPERSED STORAGE AREA CONTAINING 22 REVETMENTS (15 WITH SMALL BUILDINGS/SHEDS) ADJACENT TO NW DISPERSAL AREA, AND 2 BUNKERED CYLINDRICAL POL STORAGE TANKS (EACH 22.5 FT IN DIAMETER) LOCATED ON SMALL HILL 1 NM NW OF AIRFIELD. OB -- 5 FAGOT/FRESCO (3 DAMAGED).

25X1

25X1

DIEN BIEN PHU AIRFIELD

VN 2123N 10301E NO COMRX

0.5 NM NORTH OF DIEN BIEN PHU.

APPROXIMATELY 4,600 X 90 FT NNW/SSE ASPHALT AND LATERITE RUNWAY WITH NUMEROUS BOMB CRATERS, UNSERVICEABLE.

AIRFIELD HAS BEEN SUBJECTED TO NUMEROUS AIR STRIKES. ALL RECONSTRUCTION HAS STOPPED. ALL FACILITIES DESTROYED.

OB -- NONE OBSERVED.

25X1

25X1

SECRET

SECRET

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BAC KAN AIRFIELD

VN 2208N 10550E NO COMRX

1 NM NE OF BAC KAN.
2,800 X 200 FT ENE/WSW, SOD RUNWAY, PROBABLY
SERVICEABLE.
NO FACILITIES OR AIRCRAFT OBSERVED.

25X1

25X1

TIEN YEN AIRFIELD

VN 2119N 10725E NO COMRX

1 NM WEST OF TIEN YEN.
1,250 X 100 FT WNW/ESE SOD RUNWAY WITH RUNWAY MARKERS,
APPARENTLY SERVICEABLE.
OB -- NONE OBSERVED.

25X1

25X1

HA GIANG AIRFIELD

VN 2252N 10457E NO COMRX

3 NM NW OF HA GIANG AT UTM UL960286.
AIRFIELD RETURNED TO CULTIVATION.

25X1

25X1

DO SON AIRFIELD

25X1

VN 2042N 10648E NO COMRX

NO APPARENT CHANGE

25X1

25X1

25X1

LAO CAI AIRFIELD

VN 2228N 10358E NO COMRX

NO APPARENT CHANGE IN FACILITIES

25X1

25X1

OB -- NONE OBSERVED.

25X1

25X1

KEP HA AIRFIELD

VN 2122N 10640E NO COMRX

IDENTIFICATION ONLY.

SECRET

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

NPIC/R-156/67

25X1



25X1

SECRET

**Naval
Activity /
Ports**

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

NPIC/R-156/67

NAVAL ACTIVITY/PORTS

25X1

YU-LIN NAVAL BASE AND PORT

CH 1813N 10931E

IDENTIFICATION ONLY.

25X1

25X1

PORT WALLUT NAVAL BASE

VN 2112N 10734E

NE COAST OF DAO CAI BAU.
FACILITY CONSISTS OF A CONCRETE WHARF, 2 MARINE
RAILWAYS WITH AN ADJACENT WORK APRON, AND 9 SUPPORT
BUILDINGS. AREA APPEARS INACTIVE.
VESSELS -- NONE OBSERVED.

25X1

25X1

HAI PHONG PORT FACILITIES

VN 2052N 10642E

POOR QUALITY AND HAZE PRECLUDE INTERPRETATION OF PORT
FACILITIES.

VESSELS -- 6 GENERAL CARGO FREIGHTERS AND 2 LARGE-HATCH
FREIGHTERS.

25X1

25X1

CAM PHA PORT FACILITIES

VN 2102N 10722E

NO NEW CONSTRUCTION OR CHANGES IN FACILITIES OBSERVED.
VESSELS -- 1 SMALL-HATCH FREIGHTER, 8 BARGES, AND 2
SMALL CRAFT MOORED AT COALING QUAY.

25X1

25X1

HON GAI PORT FACILITIES

VN 2057N 10705E

NO VESSELS OBSERVED IN CLOUD-FREE AREAS. NO NEW
CONSTRUCTION OR CHANGES OBSERVED.

25X1

25X1

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67 NPIC/R-156/67
25X1 25X1

PAI-MA-CHING PORT FACILITIES

CH

NE EDGE OF PAI-MA-CHING IN HSIN-YING CHIANG.
FACILITIES CONSIST OF 2 PIERS, 1 QUAY, AND NUMEROUS
SUPPORT BUILDINGS. OBLIQUITY LIMITS INTERPRETATION.

25X1

25X1

25X1

PEI-LI PORT FACILITIES

CH

25X1

OB -- 4 SHANGHAI-CLASS PTF AND 3 SMALL CRAFT.

25X1

25X1

DONG HOI PORT FACILITIES AND NAVAL BASE VN 1729N 10637E NO COMRX

WEST SIDE OF MOUTH OF RAU NHAT LE (RIVER).
MAJOR PORTION OF AREA HEAVILY DAMAGED OR DESTROYED BY
AIR STRIKES.
NO VESSELS OR NAVAL ACTIVITY OBSERVED IN AREA.

25X1

25X1

DAP CAU PORT FACILITIES EAST SONG CAU VN 2112N 10606E NO COMRX

18 NM NE OF HA NOI ON THE SOUTH BANK OF THE SONG CAU
(RIVER) AT UTM XJ147446.
COAL PORT CONTAINS FACILITIES FOR TRANSSHIPMENT FROM
RIVER BARGE TO RAIL AND CONSISTS OF 3 OPEN STORAGE
AREAS CONTAINING COAL. FIVE PORTABLE CONVEYOR BELTS
ARE SCATTERED THROUGHOUT THE AREA. THE AREA IS SERVED
BY ROUTE 1A AND A RAIL SPUR CONNECTS THE PORT WITH THE
HA NOI/PING-HSIANG RAIL LINE.
ACTIVITY -- 18 BARGES.

25X1

25X1

DO SON NAVAL BASE MIRADOR POINTE VN 2040N 10647E NO COMRX

NO APPARENT CHANGE SINCE

25X1

25X1

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

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25X1



25X1

HAI PHONG SHIPYARD NO 4 DANCETTE

VN 2052N 10640E

NO COMRX

25X1

NO APPARENT CHANGE IN FACILITIES SINCE



25X1

**VESSELS -- 1 BARGE IN GRAVING DOCK, 3 SMALL CRAFT ON
MARINE RAILWAYS, AND 1 FLOATING DRYDOCK.**

25X1



25X1

HON GAI NAVAL BASE & SHIP RPR YD BAI CHAY VN 2057N 10703E

NO COMRX

IDENTIFICATION ONLY.

25X1



25X1

SECRET

**Electronics/
Communications**

Page Denied

**Military
Activity**

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

NPIC/R-156/67

MILITARY ACTIVITY

25X1

PING-HSIANG AMMUNITION DEPOT

CH 2208N 10645E

1.6 NM NNE OF PING-HSIANG.
ROAD-SERVED AREA CONSISTS OF 7 DISPERSED STORAGE
BUILDINGS AND 1 SUPPORT BUILDING.

25X1



25X1

PING-HSIANG ARMY DEPOT

CH 2205N 10645E

NO NEW CONSTRUCTION, CHANGES IN FACILITIES OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

OB -- APPROXIMATELY 50 PROBABLE TRUCKS.

25X1



25X1

HA GIANG MILITARY AREA

VN 2249N 10459E

ON SE EDGE OF HA GIANG.
THREE BARRACKS AREAS ON EAST SIDE OF CLAIRE RIVER
CONTAIN A TOTAL OF 20 BARRACKS, 3 ADMINISTRATION
BUILDINGS, AND AT LEAST 12 SUPPORT BUILDINGS. NUMEROUS
FOXHOLES AND TRENCH SYSTEMS ARE IN EACH AREA.

25X1



25X1

HO-KOU ARMY BARRACKS NORTH

CH 2232N 10357E

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED. NO EVIDENCE
OF TRAINING AREAS, TROOP ACTIVITY, OR SUPPLY BUILDUP.

OB -- AT LEAST 10 UNIDENTIFIED VEHICLES.

25X1



25X1

LANG SON ARMY BARRACKS

VN 2150N 10645E

TWO MILITARY AREAS IN LANG SON VICINITY.
AREA A (UTM XK818163) -- APPROXIMATELY 78 BUILDINGS (23
APPEAR TO BE BARRACKS AND THE REMAINDER STORAGE AND
SUPPORT-TYPE BUILDINGS). TWENTY-ONE ADDITIONAL
BARRACKS HAVE BEEN DISMANTLED. PREVIOUSLY REPORTED

SECRET

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

NPIC/R-156/67

VEHICLE DISPERSAL AREA AT XK813170 CONTAINS 3 LARGE SHEDS AND DOES NOT APPEAR TO BE MILITARY IN NATURE.

AREA B (XK825170) -- 43 BUILDINGS (10 PROBABLE BARRACKS, 2 ADMINISTRATION-TYPE, AND 31 WAREHOUSE, STORAGE, AND SUPPORT BUILDINGS).

25X1



25X1

25X1

LOC BINH ARMY SUPPLY DEPOT

VN 2145N 10656E

1.3 NM SSE OF LOC BINH AT UTM XK999055. AREA CONTAINS APPROXIMATELY 30 STORAGE AND 2 ADMINISTRATION BUILDINGS.

25X1



25X1

THAI NGUYEN ARMY SUPPLY DEPOT NORTH

VN 2138N 10551E

2 NM NNE OF THAI NGUYEN AT UTM WJ880927. FENCE-SECURED STORAGE AREA SUBJECTED TO AIR STRIKES CONTAINS 14 STORAGE BUILDINGS DESTROYED OR DAMAGED BEYOND USE, 23 STORAGE BUILDINGS WITH MODERATE STRUCTURAL DAMAGE OR SLIGHT ROOF DAMAGE, AND 4 SUPPORT BUILDINGS DESTROYED.

25X1



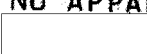
25X1

BAC CAN ARMY BKS AND SUPPLY DEPOT

VN 2208N 10550E

NO APPARENT CHANGE SINCE

25X1



25X1



25X1

25X1

BAC GIANG MILITARY AREA

VN 2117N 10612E

NE EDGE OF BAC GIANG AT UTM XJ248543. EIGHTEEN BARRACKS/STORAGE BUILDINGS AND 2 SMALL BUILDINGS REMAIN. MAJORITY OF STRUCTURES HAVE BEEN DISMANTLED.

25X1



25X1

SECRET

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

NPIC/R-156/67

25X1

TSA-TI-PAD ROAD

CH 2302N 10341E

NO NEW ROADS, ROAD IMPROVEMENTS, TRAILS, CONSTRUCTION,
VEHICLES OR PIECES OF EQUIPMENT OBSERVED.

25X1

25X1

HA NOI/LAO CAI RR SEGMENT 1

VN 2220N 10410E

ENTIRE RAIL SEGMENT COVERED FROM 22-29N 103-52E TO
22-10N 104-21E. SEGMENT APPEARS TO BE SERVICEABLE.
ACTIVITY -- 34 RAIL CARS.

25X1

25X1

25X1

HA NOI/PING-HSIANG RR SEGMENT 2

VN 2132N 10627E

FROM 21-42N 106-40E TO 21-22N 106-15E.
ENTIRE SEGMENT OBSERVED THROUGH SCATTERED CLOUDS.

ACTIVITY -- A TOTAL OF 271 PIECES OF SERVICEABLE
ROLLING STOCK, 31 DAMAGED/DESTROYED PIECES OF ROLLING
STOCK, AND 7 LOCOMOTIVES ARE OBSERVED ON THE SEGMENT --
67 PIECES OF ROLLING STOCK AND 1 LOCOMOTIVE IN A YARD
AT 21-39N 106-35E, 16 PIECES OF ROLLING STOCK IN A YARD
AT 21-36N 106-32E, 11 PIECES OF ROLLING STOCK ON A
PASSING TRACK AT 21-31N 106-28E, 28 PIECES OF ROLLING
STOCK AND 2 LOCOMOTIVES IN A YARD AT 21-30N 106-26E,
102 PIECES OF ROLLING STOCK, 25 DAMAGED/DESTROYED
PIECES OF ROLLING STOCK, AND 2 LOCOMOTIVES IN THE KEP
AREA AT 21-24N 106-17E, A TRAIN TRAVELING SOUTH IN THE
VICINITY OF 21-26N 106-21E CONSISTING OF 42 PIECES OF
ROLLING STOCK AND 2 LOCOMOTIVES (1 AT EACH END OF THE
TRAIN), AND 5 PIECES OF ROLLING STOCK AND 6
DAMAGED/DESTROYED PIECES OF ROLLING STOCK IN A YARD AT
21-26N 106-20E.

NO NEW CONSTRUCTION, COMMUNICATION FACILITIES, OR
MILITARY ACTIVITY OBSERVED.

25X1

25X1

HA NOI/PING-HSIANG RR SEGMENT 1

VN 2145N 10644E

FROM 21-58N 106-43E TO 21-42N 106-40E.
ENTIRE SEGMENT OBSERVED THROUGH SCATTERED CLOUDS.

SECRET

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

NPIC/R-156/67

ACTIVITY -- A TOTAL OF 389 PIECES OF ROLLING STOCK AND 17 LOCOMOTIVES ARE OBSERVED ON THE SEGMENT -- 84 PIECES OF ROLLING STOCK AND 7 LOCOMOTIVES IN THE DONG DANG AREA AT 21-56N 106-42E, 7 PIECES OF ROLLING STOCK IN A YARD AT 21-54N 106-44E, 180 PIECES OF ROLLING STOCK AND 9 LOCOMOTIVES IN THE LANG SON AREA AT 21-50N 106-45E, 11 PIECES OF ROLLING STOCK IN A YARD AT 21-46N 106-44E, 49 PIECES OF ROLLING STOCK AND 1 LOCOMOTIVE IN A YARD AT 21-41N 106-40E, 5 PIECES OF ROLLING STOCK IN A YARD AT 21-41N 106-37E, AND 53 PIECES OF ROLLING STOCK ON A RAIL SPUR IN THE VICINITY OF 21-40N 106-36E. NO NEW CONSTRUCTION, COMMUNICATION FACILITIES, OR MILITARY ACTIVITY OBSERVED.

25X1

25X1

(1)
389
17
406
190
211

25X1

HA NOI/PING-HSIANG RR SEGMENT 3

VN 2110N 10604E

FROM 21-22N 106-15E TO 21-01N 105-51E. APPROXIMATELY 75 PERCENT OF THE SEGMENT WAS OBSERVED THROUGH SCATTERED CLOUDS FROM 21-06N 105-57E TO 21-20N 106-15E.

ACTIVITY -- A TOTAL OF 164 PIECES OF ROLLING STOCK AND 6 LOCOMOTIVES ARE OBSERVED ON THE SEGMENT -- 26 PIECES OF ROLLING STOCK AND 2 LOCOMOTIVES IN THE VICINITY OF 21-20N 106-15E, 16 PIECES OF ROLLING STOCK IN THE BAC GIANG AREA AT 21-16N 106-11E, 35 PIECES OF ROLLING STOCK IN A YARD AT 21-16N 106-08E, A TRAIN MOVING SOUTH IN THE VICINITY OF 21-13N 106-06E CONSISTING OF 32 PIECES OF ROLLING STOCK AND 2 LOCOMOTIVES (1 AT EACH END OF TRAIN), 21 PIECES OF ROLLING STOCK AND 2 LOCOMOTIVES IN THE DAP CAU AREA AT 21-12N 106-05E, 5 PIECES OF ROLLING STOCK IN THE BAC NINH AREA AT 21-11N 106-04E, 20 PIECES OF ROLLING STOCK IN A YARD AT 21-08N 106-01E, AND 9 PIECES OF ROLLING STOCK IN A YARD AT 21-07N 105-58E.

NO NEW CONSTRUCTION, COMMUNICATION FACILITIES, OR MILITARY ACTIVITY OBSERVED.

25X1

25X1

KEP/THAI NGUYEN RAILROAD

VN 2130N 10607E

ENTIRE SEGMENT COVERED FROM 21-24N 106-16E TO 21-36N 105-50E. SEGMENT IS INTERDICTIONED AT 21-33N 106-01E. ACTIVITY -- APPROXIMATELY 200 PIECES OF ROLLING STOCK AND 11 DAMAGED CARS.

SECRET

SECRET

25X1 BLACK SHIELD MISSION 6710, 20 JUL 67 NPIC/R-156/67

[REDACTED] 25X1
[REDACTED] 25X1

25X1

PING-HSIANG/HA NOI RR SEGMENT 4 CH 2202N 10643E

FROM PING-HSIANG, CHINA, AT 22-06N 106-45E TO DONG
DANG, NORTH VIETNAM, AT 21-58N 106-43E.
ENTIRE SEGMENT IS OPERATIONAL.
ACTIVITY -- 250 PIECES OF ROLLING STOCK AT PING-HSIANG
COMPLEX.

250

25X1

25X1

DA PHUC MILITARY CAMP NNW

VN 2120N 10551E NO COMRX

1 NM NORTH OF HA GIA AT UTM WJ896596.
AREA CONTAINS 17 BARRACKS, 2 ADMINISTRATION, 4
MESSHALL, 4 SECURED STORAGE, 7 VEHICLE SHED, AND 11
SMALL STORAGE/SUPPORT BUILDINGS.

25X1

25X1

CHU NGUYEN MILITARY CAMPS

VN 2121N 10616E NO COMRX

TWO CAMPS IN VICINITY OF CHU NGUYEN.

CAMP A (UTM XJ315620) -- HAS BEEN SUBJECTED TO AIR
STRIKE AND CONTAINS 5 BARRACKS (1 DAMAGED), 1
ADMINISTRATION, 6 STORAGE, AND 4 SMALL SUPPORT
BUILDINGS. ADDITIONAL PREVIOUSLY REPORTED BUILDINGS
ARE DISMANTLED.

CAMP B (XJ312634) -- 6 BARRACKS, 2 ADMINISTRATION, 1
MESSHALL, 3 VEHICLE SHED, 4 SMALL REVETTED STORAGE, 4
SMALL SUPPORT, AND SEVERAL DISMANTLED BUILDINGS.

25X1

25X1

COT NGANH BARRACKS NORTHEAST

VN 2125N 10553E NO COMRX

0.3 NM NW OF XOM DIEN AT UTM WJ917693.
AREA CONTAINS 14 BARRACKS-TYPE, 5 ADMINISTRATION, 7
STORAGE-TYPE, 1 REVETTED STORAGE, AND 4 MESSHALL
BUILDINGS.

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BLACK SHIELD MISSION 6710, 20 JUL 67

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25X1



25X1

BAC NINH ARMY BARRACKS NE DAP CAU

VN 2111N 10605E NO COMRX

TWO AREAS 1.3 NM NE OF BAC NINH.

AREA A (UTM XJ119430) -- 4 MULTISTORY ADMINISTRATION BUILDINGS.

AREA B (XJ121436) -- 4 MULTISTORY BARRACKS, 7 OTHER BARRACKS, 11 VEHICLE SHEDS, 3 REVETTED STORAGE BUILDINGS, 1 MESSHALL, 10 SMALL SUPPORT BUILDINGS, 23 PROBABLE STORAGE REVETMENTS, AND AN ATHLETIC FIELD. APPROXIMATELY 90 BUILDINGS HAVE BEEN DISMANTLED.

25X1



25X1

THAI NGUYEN BARRACKS AREA NE

VN 2137N 10552E NO COMRX

2.8 NM NE OF THAI NGUYEN AT UTM WJ899910. AREA CONTAINS 17 BARRACKS, 2 ADMINISTRATION, AND 7 MISCELLANEOUS BUILDINGS. EVIDENCE OF DRIVER-TRAINING OBSERVED THROUGHOUT BARRACKS AREA.

25X1



25X1

COT NGANH ARMY BARRACKS WEST

VN 2124N 10551E NO COMRX

1 NM SW OF COT NGANH AT UTM WJ895677. BARRACKS AND STORAGE AREA CONTAINS 12 BARRACKS, 7 ADMINISTRATION, 11 STORAGE, 5 AMMUNITION, 3 MESSHALL, AND 12 SUPPORT BUILDINGS.

25X1



25X1

DONG TRIEU ARMY BKS NORTHEAST TRAI SUU

VN 2107N 10632E NO COMRX

3.4 NM NE OF DONG TRIEU AT UTM XJ600357. AREA CONSISTS OF 39 BARRACKS, 1 ADMINISTRATION, AND 4 MISCELLANEOUS BUILDINGS.

25X1



25X1

SECRET

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BLACK SHIELD MISSION 6710, 20 JUL 67

NPIC/R-156/67

HAI DUONG BARRACKS WEST

VN 2056N 10619E NO COMRX

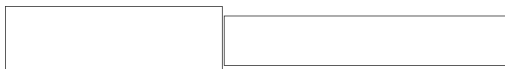
THREE SEPARATELY FENCED BARRACKS AREAS 1.6 NM WSW OF HAI DUONG AT UTM XJ361153.

AREA A (WEST AREA) -- 8 BARRACKS, 2 ADMINISTRATION, 1 MESSHALL, AND 4 MISCELLANEOUS BUILDINGS.

AREA B (CENTRAL AREA) -- 11 BARRACKS, 2 ADMINISTRATION, 3 STORAGE, 1 MESSHALL, AND 5 MISCELLANEOUS BUILDINGS.

AREA C (EAST AREA) -- 6 BARRACKS, 1 ADMINISTRATION, 1 MESSHALL, AND 2 MISCELLANEOUS BUILDINGS.

25X1



25X1

DUC THANG ARMY BARRACKS NNW

VN 2122N 10559E NO COMRX

2 NM NORTH OF DUC THANG AT UTM XJ026640.
NO BUILDINGS REMAIN. APPARENTLY INACTIVE
DRIVER-TRAINING COURSE OBSERVED 0.8 NM NW OF AREA.

25X1



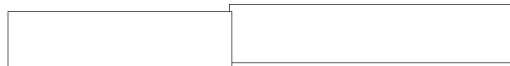
25X1

DONG TRIEU ARMY BARRACKS NW

VN 2107N 10629E NO COMRX

3.2 NM NNW OF DONG TRIEU AT UTM XJ568373.
INSTALLATION CONSISTS OF 2 AREAS CONTAINING A TOTAL OF
APPROXIMATELY 35 BARRACKS, 9 ADMINISTRATION, 2
MESSHALL, 3 STORAGE, AND APPROXIMATELY 10 MISCELLANEOUS
BUILDINGS AND SHEDS.

25X1



25X1

QUANG YEN ARMY BARRACKS

VN 2057N 10648E NO COMRX

TWO AREAS 0.5 NM NE OF QUANG YEN.

AREA A (UTM XJ882162) -- 12 BARRACKS AND 6 SMALL
SUPPORT BUILDINGS. SEVERAL ADDITIONAL BUILDINGS HAVE
BEEN DISMANTLED.

AREA B (XJ887165) -- 4 BARRACKS AND 6 SUPPORT
BUILDINGS. SEVERAL ADDITIONAL BUILDINGS HAVE BEEN
DISMANTLED.

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SECRET

25X1

BLACK SHIELD MISSION 6710, 20 JUL 67

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25X1

HAI DUONG BARRACKS AREA NORTH

VN 2057N 10620E NO COMRX

1.5 NM NORTH OF HAI DUONG AT UTM XJ389184.
SECURED AREA CONTAINS 4 BARRACKS, 1 H-SHAPED
ADMINISTRATION, AND 3 SMALL REVETTED BUILDINGS AND 2
PROBABLE VEHICLE SHEDS.

25X1



25X1



BAC NINH ARMY BARRACKS

VN 2110N 10603E NO COMRX

NORTH EDGE OF BAC NINH AT UTM XJ103425.
AREA, SURROUNDED BY MOAT, CONTAINS 7 MULTISTORY
BARRACKS, 5 ADMINISTRATION, 30 LARGE STORAGE, 1
REVVETTED STORAGE, 3 MESSHALL, AND 21 MISCELLANEOUS
BUILDINGS. AN ATHLETIC FIELD IS OBSERVED NORTH OF THE
BARRACKS.

25X1



25X1



CHU MAU PROBABLE BARRACKS AREA

VN 2109N 10606E NO COMRX

NE EDGE OF CHU MAU AND 2.4 NM SE OF BAC NINH AT UTM
XJ142407.
PROBABLE BARRACKS AREA CONTAINS 12 ARCH-ROOFED AND 3
SMALL SUPPORT BUILDINGS.

25X1



25X1



BAC NINH MILITARY AREA

VN 2112N 10605E NO COMRX

2.2 NM NE OF BAC NINH AT UTM XJ136442.
AREA CONTAINS 9 BARRACKS, 1 ADMINISTRATION, 1 MESSHALL,
AND 4 SMALL SUPPORT BUILDINGS. AT LEAST 43 OTHER
BUILDINGS HAVE BEEN DISMANTLED.

25X1



25X1



DIEN BIEN PHU HQ 316 INFANTRY BRIGADE

VN 2119N 10301E NO COMRX

APPROXIMATELY 10 MILITARY AREAS IN DIEN BIEN PHU
VICINITY.

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BLACK SHIELD MISSION 6710, 20 JUL 67 NPIC/R-156/67

ALL MILITARY AREAS HAVE BEEN SUBJECTED TO AIR STRIKES.
ALL BUILDINGS HAVE BEEN HEAVILY DAMAGED, DESTROYED, OR
DISMANTLED. MILITARY COMPLEX APPEARS ABANDONED.

25X1

25X1

DONG HOI ARMY BARRACKS CITADEL

VN 1728N 10637E NO COMRX

IN CENTER OF DONG HOI.
INSTALLATION, SUBJECTED TO AIR STRIKES, IS HEAVILY
DAMAGED OR DESTROYED.
NO ACTIVITY OBSERVED.

25X1

25X1

DONG HOI VEHICLE DISPERSAL AREAS

VN 1730N 10633E NO COMRX

TWO VEHICLE DISPERSAL AREAS IN DONG HOI AREA AT UTM
XE651358 AND XE664349.
AREAS HAVE BEEN SUBJECTED TO AIR STRIKES. MODERATE
TRACK ACTIVITY OBSERVED IN BOTH AREAS.
NO VEHICLES, EQUIPMENT, OR NEW ACTIVITY OBSERVED.

25X1

25X1

LANG NHON BARRACKS AND STORAGE AREAS

VN 2225N 10401E NO COMRX

TWO MILITARY AREAS REFERENCED FROM LANG NHON.

AREA A (0.5 NM WEST) -- BARRACKS AREA CONTAINS 20
BARRACKS, 2 ADMINISTRATION, 1 LARGE T-SHAPE AUDITORIUM,
1 MESSHALL, 7 MAINTENANCE, AND 11 STORAGE/SUPPORT
BUILDINGS.

AREA B (0.5 NM NW) -- RAIL-SERVED STORAGE AREA CONTAINS
1 LARGE ADMINISTRATION, 11 STORAGE, AND 9 SUPPORT
BUILDINGS.

NINE STORAGE BUILDINGS ARE ALONG THE ROAD CONNECTING
THE 2 AREAS.

497-499 C G T ST

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BLACK SHIELD MISSION 6710, 20 JUL 67

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BAN POM LOT BARRACKS AND STORAGE AREA

VN 2117N 10300E NO COMRX

FOUR MILITARY AREAS 0.5 NM SOUTH OF BAN POM LOT. ALL AREAS HAVE BEEN SUBJECTED TO AIR STRIKES. ALL BUILDINGS HAVE BEEN HEAVILY DAMAGED, DESTROYED, OR DISMANTLED. AREAS APPEAR ABANDONED.

25X1



25X1

4 KEP AIRFIELD BARRACKS & STORAGE AREA

VN 2122N 10616E NO COMRX

1.2 NM SE OF KEP AIRFIELD IN VICINITY OF UTM XJ325643 AND XJ333650.

DISPERSED STORAGE AREA CONSISTS OF APPROXIMATELY 38 SMALL REVETTED STORAGE BUILDINGS DISPERSED AMONG LOW HILLS. NUMEROUS STRUCTURES (APPARENTLY CIVILIAN) ARE SCATTERED THROUGHOUT THE STORAGE AREA.

25X1



25X1

DONG DANG MILITARY STORAGE AREA

VN 2200N 10640E NO COMRX

4 NM NNW OF DONG DANG, NORTH VIETNAM, AND 7 NM SSW OF PING-HSIANG, CHINA. INSTALLATION CONSISTS OF 3 AREAS.

AREA A -- 30 SMALL BARRACKS, 1 ADMINISTRATION, 2 STORAGE, 2 PROBABLE VEHICLE MAINTENANCE AND REPAIR, 4 PROBABLE MAINTENANCE, 1 PROBABLE MESSHALL, AND 16 SUPPORT/STORAGE BUILDINGS. EXTENSIVE TRENCHING IS OBSERVED THROUGHOUT THE MAINTENANCE AND REPAIR AREA.

AREA B -- 6 PROBABLE STORAGE AND 2 SUPPORT BUILDINGS AT THE BASE OF A HILL.

AREA C -- 10 STORAGE AND 4 SUPPORT BUILDINGS, AND 30 PIECES OF UNIDENTIFIED EQUIPMENT.

1.2 NM SE OF THE NEW STORAGE AREA IS THE DONG DANG MILITARY STORAGE AREA NORTH (BE NO 0616-02061) AT 21-57N 106-42E. IT CONTAINS 4 STORAGE AND 1 SUPPORT/STORAGE BUILDING, AND A VEHICLE PARKING AREA.

25X1



25X1

SECRET

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

NPIC/R-156/67

BAC GIANG AMMUNITION DEPOT

VN 2118N 10608E NO COMRX

3.8 NM NW OF BAC GIANG AT UTM XJ189563.
SECURED AREA CONTAINS 8 REVETTED STORAGE (1 DISMANTLED)
AND 2 SMALL STORAGE BUILDINGS.

25X1



25X1

HAI PHONG AMMUNITION DEPOT KIEN AN SW PUG VN 2048N 10638E NO COMRX

3.8 NM SW OF HAI PHONG AND 1.5 NM ENE OF HAIPHONG/KIEN
AN AIRFIELD.
AREA HAS BEEN SUBJECTED TO AIR STRIKE. TWENTY-SEVEN
REVVETTED STORAGE BUILDINGS REMAIN INTACT. SEVERAL
DESTROYED OR DAMAGED ADDITIONAL REVETTED STORAGE
BUILDINGS AND REVETMENTS OBSERVED. AREA APPEARS
ABANDONED.

25X1



25X1

CAM LY AMMUNITION DEPOT

VN 2113N 10624E NO COMRX

2.6 NM ESE OF CAM LY AT UTM XJ454465.
SECURED STORAGE AREA SUBJECTED TO AIR STRIKE CONTAINS 2
LARGE STORAGE, 4 SMALL STORAGE, 5 SEVERELY DAMAGED
STORAGE, 4 DESTROYED STORAGE, AND 4 SMALL SUPPORT
BUILDINGS.

25X1



25X1

DINH XUYEN ARMY BARRACKS

VN 2119N 10615E NO COMRX

0.4 NM EAST OF DINH XUYEN.
AREA HAS BEEN RAZED. ALL STRUCTURES HAVE BEEN
DISMANTLED AND THE AREA IS ABANDONED.

25X1



25X1

THAI NGUYEN ARMY BARRACKS NE

VN 2136N 10551E NO COMRX

2 NM NE OF THAI NGUYEN AT UTM WJ895905.
NO MILITARY INSTALLATION OR ACTIVITY REMAINS AT THIS
LOCATION. ONLY CIVILIAN ACTIVITY OBSERVED.

25X1



25X1

SECRET**BLACK SHIELD MISSION 6710, 20 JUL 67****NPIC/R-156/67****BAC CAN AMMUNITION DEPOT****VN 2207N 10553E NO COMRX****NO APPARENT CHANGE**

25X1 [REDACTED] 25X1

25X1 [REDACTED] 25X1

PHUC YEN AIRFIELD BARRACKS**VN 2116N 10549E NO COMRX****NO APPARENT CHANGE**

25X1 [REDACTED] 25X1

25X1 [REDACTED] 25X1

DUC THANG ARMY BARRACKS EAST**VN 2121N 10559E NO COMRX****NO APPARENT CHANGE IN CLOUD-FREE AREAS**

25X1 [REDACTED] 25X1

25X1 [REDACTED] 25X1

VAN PHAI BARRACKS AREAS**VN 2122N 10553E NO COMRX****NO APPARENT CHANGE**

25X1 [REDACTED] 25X1

1073, 1075 [REDACTED] 25X1**TRAI THON ARMY BARRACKS****VN 2120N 10609E NO COMRX****NO APPARENT CHANGE**

25X1 [REDACTED] 25X1

25X1 [REDACTED] 25X1

THUONG DINH MILITARY CAMP**VN 2129N 10554E NO COMRX****NO APPARENT CHANGE**

25X1 [REDACTED] 25X1

[REDACTED] 25X1

25X1

SECRET

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

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THAI NGUYEN MILITARY CAMP

25X1

VN 2134N 10551E

NO COMRX

25X1

NO APPARENT CHANGE

25X1

25X1

DA PHUC MILITARY CAMP SW

VN 2118N 10551E

NO COMRX

0.4 NM SSE OF HA GIA AT UTM WJ897567.
CAMP CONTAINS 8 BARRACKS, 4 ADMINISTRATION, 3 STORAGE,
3 MESSHALL, AND 12 SUPPORT BUILDINGS AND A MOTOR POOL
WITH 4 VEHICLE SHEDS.

25X1

25X1

HON GAI EXPLOSIVES STORAGE

VN 2059N 10706E

NO COMRX

3 NM NNE OF HON GAI AT UTM VJ200230.
SECURED STORAGE AREA, SUBJECTED TO AIR STRIKE, CONTAINS
3 VENTILATED STORAGE BUILDINGS DESTROYED, 1 DAMAGED,
AND 6 APPARENTLY UNDAMAGED, AND 2 SMALL REVETTED
BUILDINGS UNDAMAGED.

25X1

25X1

THAI NGUYEN STORAGE AREA NORTHEAST

VN 2137N 10553E

NO COMRX

3 NM NE OF THAI NGUYEN, BETWEEN LOW HILLS, AT UTM
WJ923910.
ROAD-SERVED STORAGE AREA CONSISTS OF 4 COMPLETED
SEMIREVETTED STORAGE BUILDINGS AND 5 STORAGE BUILDINGS
UNDER CONSTRUCTION.

25X1

25X1

LANG DAO STORAGE AREA

VN 2148N 10546E

NO COMRX

TWO SEPARATE AREAS REFERENCED FROM LANG DAO.

AREA A (0.6 NM NORTH AT UTM WK779108) -- SECURED AREA
CONTAINS 2 BARRACKS, 11 LARGE STORAGE AND 7 SMALL
STORAGE/SUPPORT BUILDINGS.

AREA B (2 NM SW AT WK750080) -- 5 STORAGE BUILDINGS.

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

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25X1

[REDACTED]

MY LOC STORAGE AREA

VN 1714N 10646E NO COMRX

NO APPARENT CHANGE

[REDACTED]

25X1

25X1

[REDACTED]

25X1

[REDACTED]

[REDACTED]

25X1

LAO CAI STORAGE AREAS

VN 2230N 10359E NO COMRX

**1 NM ENE OF LAO CAI.
EIGHT SMALL STORAGE AREAS ALONG THE ROAD LEADING NE
FROM LAO CAI CONTAIN A TOTAL OF 52 STORAGE BUILDINGS
DISPERSED IN SMALL VALLEYS AND 10 SUPPORT BUILDINGS.**

25X1

[REDACTED]

[REDACTED]

25X1

THAI NGUYEN PROBABLE STORAGE AREA U/C

VN 2140N 10551E NO COMRX

**AT UTM WJ894966.
AREA CONSISTS OF 10 PROBABLE STORAGE BUILDINGS AROUND
LOOP ROAD.**

25X1

[REDACTED]

[REDACTED]

25X1

25X1

NA HANG STORAGE AREAS

VN [REDACTED] NO COMRX

NO STORAGE AREAS ARE OBSERVED AT NA HANG.

25X1

[REDACTED]

[REDACTED]

25X1

25X1

DO SON COASTAL DEFENSE SYSTEM

VN [REDACTED] NO COMRX

SEVEN DEFENSE POSITIONS IN THE VICINITY OF DO SON.

**AREA A (UTM XH867898) -- 4 PROBABLE BARRACKS REMAIN, 9
BUILDINGS HAVE BEEN DISMANTLED.**

**AREA B (XH874889) -- 4-POSITION, UNOCCUPIED, COASTAL
DEFENSE SITE.**

AREA C -- NOT OBSERVED.

SECRET

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AREA D (XH875888) -- 4-POSITION, UNOCCUPIED, COASTAL DEFENSE SITE.

AREA E (XH868903) -- 4-POSITION, UNOCCUPIED, COASTAL DEFENSE SITE.

AREA F (XH874887) -- 4-POSITION, UNOCCUPIED, COASTAL DEFENSE SITE.

AREA G (XH860909) -- 4-POSITION, UNOCCUPIED, COASTAL DEFENSE SITE.

25X1



25X1

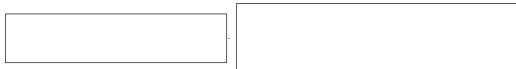
HOANG CHAU COASTAL DEFENSES

VN 2047N 10651E

NO COMRX

0.5 NM SE OF HOANG CHAU AT UTM XH940996.
SITE CONSISTS OF 4 UNOCCUPIED, COASTAL DEFENSE POSITIONS.

25X1



25X1

THANH TRA STORAGE SITE

VN 2139N 10546E

NO COMRX

NO APPARENT CHANGE

25X1



25X1

25X1



25X1

LANG ZOI PROBABLE STORAGE AREA

VN 2237N 10458E

NO COMRX

1.2 NM EAST OF LANG ZOI ON NORTH SIDE OF NA GIANG/BAC QUANG ROAD AT UTM VL970035.
FENCED AREA CONTAINS 5 BUILDINGS. APPROXIMATELY 10 LARGE STORAGE-TYPE BUILDINGS OBSERVED OUTSIDE FENCED AREA.

25X1



25X1

BAC GIANG MAINTENANCE/STORAGE AREA

VN 2117N 10612E

NO COMRX

1 NM NNE OF BAC GIANG AT UTM XJ247542.
AREA IS ABANDONED. BUILDINGS ARE DISMANTLED. NO OPEN STORAGE OBSERVED.

SECRET

SECRET**BLACK SHIELD MISSION 6710, 20 JUL 67****NPIC/R-156/67**

25X1



25X1

BAC GIANG PETROLEUM PRODUCTS STORAGE**VN 2116N 10611E****NO COMRX**

SOUTH EDGE OF BAC GIANG AT UTM XJ243518.
RAIL-, ROAD-, AND WATER-SERVED STORAGE AREA HAS BEEN
SUBJECTED TO AIR STRIKES. FOUR LARGE STORAGE TANKS
WERE REMOVED PRIOR TO STRIKE. ONE LARGE, 1 MEDIUM, AND
2 LARGE BURIED STORAGE TANKS AND A BUNKERING PIER
REMAIN UNDAMAGED, 2 MEDIUM AND 4 HORIZONTAL SERVICE
TANKS ARE DESTROYED, AND 3 SUPPORT BUILDINGS ARE
DAMAGED.

25X1

25X1

**CU VAN PETROLEUM PRODUCTS STORAGE****VN 2137N 10543E****NO COMRX**

1.2 NM SW OF CU VAN AT UTM WJ750907.
AREA CONSISTS OF NUMEROUS OPEN EXCAVATIONS AND AT LEAST
12 POL TANKS ABOVEGROUND OR UNCOVERED IN EXCAVATIONS.
AREA IS PROBABLY BEING ABANDONED AS TANKS ARE
RECLAIMED.

25X1



25X1

DO SON PETROLEUM STORAGE**VN 2042N 10647E****NO COMRX**

0.2 NM SOUTH OF DO SON AT UTM XH871905.
BOTH STORAGE TANKS REMAIN UNSERVICEABLE. AREA APPEARS
ABANDONED.

25X1



25X1

HAI PHONG PETROLEUM PRODUCTS STORAGE**VN 2053N 10640E****NO COMRX**

NW EDGE OF HAI PHONG.
AREA HAS BEEN SUBJECTED TO AIR STRIKES.
ALL 30 PREVIOUSLY REPORTED CYLINDRICAL STORAGE TANKS, 5
SERVICE TANKS, BOTH PUMPHOUSES, AND THE MAJORITY OF THE
SUPPORT BUILDINGS ARE DESTROYED.

25X1



25X1

SECRET

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

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DUONG NHAM PETROLEUM PRODUCTS STORAGE U/G VN 2101N 10630E NO COMRX

0.5 NM NNE OF DUONG NHAM AT UTM XJ573260.
AREA CONTAINS 4 DESTROYED CYLINDRICAL STORAGE TANKS AND
3 TANK BASES. NO STORAGE CAPACITY REMAINS AT SITE.

25X1



25X1

PING-HSIANG PROBABLE POL STORAGE

CH 2207N 10650E NO COMRX

4 NM EAST OF PING-HSIANG.
ROAD AND RAIL SERVED AREA CONTAINS A RAIL SPUR
APPROXIMATELY 1 NM LONG EXTENDING GENERALLY NE FROM A
SMALL 4-TRACK CLASSIFICATION YARD AND TERMINATING AT A
2-TRACK RAILHEAD. APPROXIMATELY 100 BUILDINGS ARE IN
THE VICINITY.
OB -- APPROXIMATELY 25 PROBABLE TRUCKS AND AT LEAST 20
POSSIBLE VEHICLES.

25X1



25X1

DONG DANG MIL STORAGE AREA

VN 2200N 10640E NO COMRX

2 NM NNW OF DONG DANG.
THREE OPEN STORAGE AREAS CONTAIN A TOTAL OF 30
STORAGE/SUPPORT BUILDINGS, A LARGE NET/CANVAS-COVERED
VEHICLE PARKING AREA, AND 22 HORIZONTAL POL TANKS.
OB -- 111 TRUCKS AND 7 PROBABLE UTILITY TRUCKS PARKED
IN OPEN AREAS.

25X1



25X1

SECRET

Complexes

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67 NPIC/R-156/67

COMPLEXES

25X1

PING-HSIANG COMPLEX

CH 2206N 10645E

MAJOR RAIL AND TRANSSHIPMENT POINT 3.5 NM EAST OF THE NORTH VIETNAM/CHINA BORDER. HEAVY CLOUDS LIMIT INTERPRETATION.

ACTIVITY -- 195 TRUCKS (12 ON ROADS IN COMPLEX), 95 UNIDENTIFIED VEHICLES, APPROXIMATELY 100 VEHICLES/PIECES OF EQUIPMENT, AND APPROXIMATELY 250 PIECES OF ROLLING STOCK. (ROLLING STOCK COUNT INCLUDED UNDER [REDACTED])

25X1

25X1

25X1

DONG DANG RAILROAD YARD

VN 2156N 10641E

0.5 NM SOUTH OF DONG DANG AT UTM XK756271.

RAIL FACILITIES CONSIST OF A MAIN YARD CONSISTING OF 6 THROUGH TRACKS AND 3 STUB TRACKS, A TURNING WYE WITH A 3-TRACK LOCOMOTIVE SERVICING YARD ON THE EAST LEG OF THE WYE, AND A TURNING LOOP ENCIRCLING A 3-TRACK STUB YARD.

ACTIVITY -- APPROXIMATELY 84 PIECES OF ROLLING STOCK ARE IN THE YARD COMPLEX AND 7 LOCOMOTIVES ON TURNING WYE AND IN SERVICE YARD. (THIS ROLLING STOCK/LOCOMOTIVE COUNT IS INCLUDED IN TOTAL COUNT UNDER [REDACTED])

25X1

25X1

25X1

BAC GIANG COMPLEX

VN 2116N 10611E

NO APPARENT CHANGE [REDACTED]

25X1

25X1

25X1

25X1

CAO BANG COMPLEX

VN 2240N 10615E

IDENTIFICATION ONLY.

25X1

25X1

SECRET

SECRET

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25X1

LAI CHAU COMPLEX

VN 2203N 10309E

25X1 NO APPARENT CHANGE

25X1

25X1

LANG SON COMPLEX

VN 2151N 10645E

ALONG HANOI/PING-HSIANG RAIL LINE AND AT JUNCTIONS OF ROUTES 1 AND 4.

TRANSPORTATION CENTER CONTAINS 3 RAIL YARDS.

ACTIVITY -- RAIL YARD AT [REDACTED] IS 3 TRACKS WIDE AND CONTAINS 18 RAIL CARS AND 6 LOCOMOTIVES. A SEVENTH LOCOMOTIVE IS STANDING 0.7 NM NORTH OF THE YARD. RAIL

YARD AT XK818174 IS 3 TRACKS WIDE AND CONTAINS 22 RAIL CARS. RAIL YARD AT [REDACTED] CONTAINS 39 RAIL CARS. A NEW RAIL BRIDGE AT [REDACTED] LACKS BOTH APPROACH SPANS.

FORTY-SEVEN ADDITIONAL RAIL CARS AND 1 LOCOMOTIVE ARE STANDING ON THE SOUTHERN APPROACH. A SURFACE MINING AREA, LOCATED AT [REDACTED] CONTAINS 3 RAIL SPURS WITH A TOTAL OF 36 RAIL CARS.

DIEN BIEN PHU COMPLEX

VN 2122N 10301E

NO APPARENT CHANGE

KEP COMPLEX

VN 2124N 10617E

HEAVY BOMB DAMAGE TO RAIL YARD OBSERVED. HAZE AND SCATTERED CLOUDS PRECLUDE DETERMINATION OF SERVICEABILITY.

ACTIVITY -- 2 LOCOMOTIVES, APPROXIMATELY 102 PIECES OF ROLLING STOCK, AND 25 DAMAGED/DESTROYED PIECES OF ROLLING STOCK. (THIS ROLLING STOCK/LOCOMOTIVE COUNT IS INCLUDED IN TOTAL COUNT UNDER [REDACTED])



SECRET

SECRET**BLACK SHIELD MISSION 6710, 20 JUL 67****NPIC/R-156/67**

25X1

LAO CAI COMPLEX**VN 2230N 10358E****NO APPARENT CHANGE**

25X1

25X1

25X1

HAI PHONG RR STATION CLASS YD & SHOPS**VN 2051N 10641E****RAIL COMPLEX CONTAINS APPROXIMATELY 130 PIECES OF ROLLING STOCK. HEAVY CLOUDS AND HAZE PRECLUDE DETAILED ANALYSIS.**

25X1

25X1

130

DONG HOI COMPLEX**VN 1729N 10636E****NO COMRX****COMPLEX HAS BEEN SUBJECTED TO NUMEROUS AIR STRIKES. ENTIRE COMPLEX IS EITHER DESTROYED OR HEAVILY DAMAGED. NO EQUIPMENT, WEAPONS, OR ACTIVITY OBSERVED.**

25X1

25X1

LAO CAI RAILROAD CLASSIFICATION YARD**VN 2229N 10359E****NO COMRX****IN LAO CAI. CLASSIFICATION YARD IS 1,800 FT LONG AND 8 TRACKS WIDE. ACTIVITY -- AT LEAST 20 PIECES OF ROLLING STOCK. (THIS ROLLING STOCK COUNT INCLUDED IN TOTAL COUNT UNDER)**

25X1

25X1

25X1

PHAM XA RR CLASSIFICATION YARD**VN 2058N 10627E****NO COMRX****0.2 NM NW OF PHAM XA AT UTM XJ512191. YARD IS 3 TRACKS WIDE AND CONTAINS A PASSENGER STATION AND 2 SUPPORT BUILDINGS. ACTIVITY -- 10 PIECES OF ROLLING STOCK.**

25X1

25X1

SECRET

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

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LANG GIAI RAILROAD YARD

VN 2141N 10639E NO COMRX

9.7 NM SSW OF LANG GIAI AT UTM XK731001.
RAIL YARD CONTAINS 5 THROUGH TRACKS AND 3 STUB TRACKS.
TURNING WYE IS NOT IN USE AND IS NOT CONNECTED AT NORTH
END. FACILITIES INCLUDE PROBABLE CAR AND LOCOMOTIVE
LIGHT MAINTENANCE AREA AND SMALL TRANSHIPMENT AREA.
ACTIVITY -- 45 RAIL CARS.

25X1

25X1

LANG DANG RR CLASS & REPAIR YDS U/C

VN 2139N 10634E NO COMRX

0.7 NM SW OF LANG DANG ON THE HA NOI/PING-HSIANG RAIL
LINE.
RAIL CLASSIFICATION AND RAIL CAR/LOCOMOTIVE REPAIR
YARDS APPEAR TO BE IN LATE STAGE OF CONSTRUCTION.
CLASSIFICATION YARD IS 6 TRACKS WIDE AND 2,100 FT LONG
WITH A TURNING WYE AT UTM XJ638948. THE REPAIR
FACILITY EXTENDS SE FROM THE SOUTH END OF THE YARD INTO
THE HILLS AND CONSISTS OF 2 LONG SPURS AT XJ642940,
SERVICING 4 LARGE BUILDINGS (2 ON EACH SPUR). BOTH
BUILDINGS ON THE SOUTH SPUR ARE DRIVE-THROUGH AND 2
TRACKS WIDE. ONE IS 240 X 45 FT AND THE OTHER IS 210 X
40 FT. BOTH BUILDINGS ON THE NORTH SPUR (IN EARLIER
STAGE OF CONSTRUCTION) APPEAR TO BE DRIVE-THROUGH AND 2
TRACKS WIDE. ONE IS 175 X 45 FT AND THE OTHER 240 X 45
FT. NUMEROUS SMALL SUPPORT BUILDINGS ARE EVIDENT ALONG
BOTH SPURS. A CIRCULAR GRADED AREA OF LARGE DIAMETER
IS SW OF SOUTH SPUR AND GRADING INDICATES IT WILL JOIN
THE SPUR. AREA APPEARS TO BE INITIAL STAGE OF
CONSTRUCTION FOR POSSIBLE ROUNDHOUSE/TURNTABLE.
ACTIVITY (CLASSIFICATION YARD) -- 39 FLATCARS, 7
GONDOLAS, 6 BOXCARS, AND 2 LOCOMOTIVES.
(REPAIR FACILITY AREA) -- 9 FLATCARS AND 5 BOXCARS.

1
45
68
113

25X1

25X1

BAC GIANG CHEMICAL FERTILIZER PLANT

VN 2118N 10612E NO COMRX

2 NM NORTH OF BAC GIANG.
PLANT HAS BEEN SUBJECTED TO AIR STRIKES IN AREA OF
THERMAL POWERPLANT RESULTING IN PROBABLE DAMAGE TO
GENERATOR HALL, SEVERE DAMAGE TO TRANSFORMER YARD, AND
DESTRUCTION OF COAL TREATMENT PLANT AND 2 WET
GASOMETERS. NO ADDITIONAL DAMAGE IS OBSERVED IN THE
AREA OF THE CHEMICAL PLANT. PLANT DOES NOT APPEAR TO

SECRET

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

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BE IN OPERATION.

25X1

25X1

THAI NGUYEN IRON ORE PROCESSING PLANT VN 2135N 10557E NO COMRX

6 NM NE OF THAI NGUYEN IRON AND STEEL COMBINE AT UTM
WJ990874.
PLANT HAS BEEN SUBJECTED TO AIR STRIKE. DAMAGE
ASSESSMENT INCLUDES 3 PROBABLE ORE CRUSHING/GRADING
BUILDINGS SEVERELY DAMAGED, 1 ORE CRUSHING/GRADING
BUILDING UNDAMAGED, COVERED CONVEYOR SYSTEM SEVERELY
DAMAGED, SWITCHING/TRANSFORMER STATION SEVERELY
DAMAGED, 1 MULTISTORY ADMINISTRATION BUILDING DAMAGED,
7 SUPPORT/PROCESSING BUILDINGS UNDAMAGED, AND 5 SUPPORT
BUILDINGS UNDAMAGED. RAIL LINE SERVING PLANT IS
INTERDICTED.

25X1

25X1

HAI PHONG CEMENT PLANT

VN 2051N 10640E NO COMRX

NO APPARENT CHANGE SINCE BLACK SHIELD

25X1

25X1

25X1

THAI NGUYEN IRON AND STEEL COMBINE

VN 2133N 10552E NO COMRX

2 NM SSE OF THAI NGUYEN.
IRON AND STEEL COMBINE, SUBJECTED TO AIR STRIKE,
CONSISTS OF 8 AREAS SERVED BY ROUTE 3 AND THE KEP/THAI
NGUYEN AND HA NOI/THAI NGUYEN RAIL LINES. ACCUMULATIVE
ASSESSMENT OF DAMAGE TO THE COMBINE BY COMPONENT AREAS
AS FOLLOWS --

AREA A (WEST SECTION) -- WAREHOUSE AND TRANSSHIPMENT
AREA CONTAINS 14 DESTROYED/SEVERELY DAMAGED LARGE
WAREHOUSES, 2 UNDAMAGED LARGE WAREHOUSES, 7 SMALLER
SUPPORT BUILDINGS DESTROYED/SEVERELY DAMAGED AND 2
UNDAMAGED, AND 2 SMALL REVETTED BUILDINGS UNDAMAGED.

AREA B (SW SECTION) -- FIREBRICK PLANT AREA CONTAINS 1
LONG MODERATELY DAMAGED MONITOR-ROOFED BUILDING WITH 1
OF 3 STACKS DESTROYED, A MODERATELY DAMAGED
CONVEYOR-SERVED ORE PROCESSING PLANT, 1 PROCESSING

SECRET

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

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BUILDING NORTH OF BRICK PLANT MODERATELY DAMAGED, 8 SMALLER SUPPORT BUILDINGS (2 DESTROYED, 1 SUPERFICIALLY DAMAGED, 5 UNDAMAGED), AND A CAR AND LOCOMOTIVE REPAIR FACILITY IMMEDIATELY SOUTH OF BRICK PLANT (2 MONITOR-ROOFED BUILDINGS SUSTAINED MODERATE-TO-SEVERE DAMAGE).

AREA C (SOUTH CENTRAL SECTION) -- FOUNDRY/FABRICATION AND ADMINISTRATION AREA CONTAINS 7 FABRICATION/FOUNDRY BUILDINGS (2 DESTROYED, 2 DAMAGED, 3 UNDAMAGED), A REVETTED TERMINAL SUBSTATION UNDAMAGED, 3 MULTI-WING ADMINISTRATION BUILDINGS (1 DISMANTLED, 1 WITH WEST WING DESTROYED, 1 UNDAMAGED), 12 SMALLER SUPPORT BUILDINGS (11 DESTROYED, 1 UNDAMAGED), AND A DESTROYED WATER TOWER.

AREA D (SE SECTION) -- ROLLING MILL UNDER CONSTRUCTION CONTAINS 1 LARGE MONITOR-ROOFED BUILDING UNDER CONSTRUCTION SEVERELY DAMAGED AND 9 SMALL SUPPORT BUILDINGS (5 DESTROYED, 4 DAMAGED).

AREA E (NE SECTION) -- BLAST FURNACE/OPEN HEARTH AREA CONTAINS 1 MODERATELY DAMAGED OPEN HEARTH FURNACE BUILDING WITH 2 STACKS, 1 STEAMPLANT SEVERELY DAMAGED, 1 COMPRESSOR BUILDING UNDER CONSTRUCTION SEVERELY DAMAGED, 1 RAIL-SERVED MONITOR-ROOFED PROBABLE STRIPPING AND INGOT STORAGE BUILDING SEVERELY DAMAGED, 3 BLAST FURNACES (EASTERN FURNACE PROBABLY DAMAGED AND EASTERN CASTING SHED DAMAGED, CENTRAL AND WESTERN FURNACE UNITS PROBABLY UNDAMAGED WITH AIR PIPES FROM FURNACES TO PRECIPITATORS SEVERELY DAMAGED, SKIPHOIST TO CENTRAL FURNACE DESTROYED), STOCK TRESTLE BUILDING SEVERELY DAMAGED, AND 20 SUPPORT BUILDINGS (5 DESTROYED, 3 DAMAGED, 12 UNDAMAGED).

AREA F (NORTH CENTRAL SECTION) -- COAL AND LIMESTONE PREPARATION AREA CONTAINS A LARGE RAIL-SERVED OPEN COAL AND ORE STORAGE AREA WITH 1 COKE OVEN BATTERY POSSIBLY DAMAGED, A CONVEYOR-SERVED ORE SINTERING/PREPARATION PLANT WITH 1 LARGE RAIL-SERVED BUILDING SEVERELY DAMAGED, A COKE BY-PRODUCTS PLANT WITH 3 SMALL PROCESSING BUILDINGS DESTROYED AND AT LEAST 12 SUPPORT BUILDINGS DESTROYED, COVERED CONVEYOR SYSTEMS AND OVERHEAD PIPING INTERDICTED IN NUMEROUS AREAS, AND A COAL TREATMENT BUILDING IN SOUTHERN PART OF COAL STORAGE AREA DESTROYED.

AREA G (NORTH SECTION) -- WATER TREATMENT AREA CONTAINS A WATER STORAGE TANK, 2 UNDERGROUND TANKS, 4 ASSOCIATED

SECRET

SECRET**BLACK SHIELD MISSION 6710, 20 JUL 67****NPIC/R-156/67**

BUILDINGS (1 REVETTED), AND A PUMPHOUSE ON THE SOUTH BANKS OF THE SONG CAU (RIVER).

AREA H (NE SECTION) -- PROBABLE WOOD PRODUCTS AREA CONTAINS 7 LARGE WAREHOUSES DESTROYED/SEVERELY DAMAGED, 2 LARGE WAREHOUSES UNDAMAGED, 10 SMALL STORAGE/SUPPORT BUILDINGS (2 REVETTED) UNDAMAGED, AND AN OPEN STORAGE AREA.

25X1

25X1

THAI NGUYEN U/I CONSTRUCTION ACTIVITY VN 2128N 10553E NO COMRX

25X1

8 NM SOUTH OF THAI NGUYEN AT UTM WJ916745.
NO APPARENT CHANGE IN FACILITIES SINCE BLACK SHIELD
IN CLOUD-FREE AREAS, EXCEPT
A BUILDING FRAME HAS BEEN CONSTRUCTED AT TERMINUS OF
MIDDLE COMPLETED RAIL SPUR. ALL RAIL SPURS HAVE BEEN
INTERDICTIONED.
ACTIVITY -- 18 RAIL CARS (2 DERAILED) ON SPURS.
HEAVY CLOUDS PRECLUDE FURTHER INTERPRETATION.

25X1

25X1

HAI PHONG THERMAL POWERPLANT WEST VN 2051N 10640E NO COMRX

NO APPARENT CHANGE 25X1

25X1

25X1

LANG NAC PROB AGRICULTURAL SETTLEMENT VN 2140N 10636E NO COMRX

1.2 NM SW OF LANG NAC AT UTM XJ662970.
SECURED AREA CONTAINS 14 BARRACKS-TYPE, 2
ADMINISTRATION, 5 STORAGE, APPROXIMATELY 10 SUPPORT,
AND 7 DISMANTLED BUILDINGS.
NO ACTIVITY, VEHICLES, OR EQUIPMENT OBSERVED.

25X1

25X1

DONG DANG UNIDENTIFIED INSTALLATION U/C VN 2200N 10640E NO COMRX

3.6 NM NW OF DONG DANG.
WITHIN A CANYON, 1,000 YARDS WEST OF THE NORTH

51

SECRET

SECRET

BLACK SHIELD MISSION 6710, 20 JUL 67

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VIETNAM/CHINA BORDER, THE INSTALLATION IS DIVIDED INTO 3 FUNCTIONAL AREAS.

MAIN SECURED AREA CONSISTS OF 4 LARGE FABRICATION/WAREHOUSE-TYPE BUILDINGS (1 TRI-GABLED, 2 BI-GABLED, AND 1 MODIFIED SINGLE-GABLED ROOF) CONNECTED BY COVERED CORRIDORS, 2 REVETTED BUILDINGS (EACH WITH AN ADJACENT POSSIBLE PARTIALLY BURIED VERTICAL TANK), 3 EXCAVATIONS WITH 2 PROBABLE HORIZONTAL DRUMS EACH, AND 12 MISCELLANEOUS BUILDINGS.

SECURED PROBABLE BARRACKS AREA CONTAINS 2 BARRACKS-TYPE COMPLEXES (EACH CONSISTING OF 4 ATTACHED BUILDINGS AND 3 ATTACHED BUILDINGS CONNECTED BY A COVERED CORRIDOR) AND A BUILDING COMPLEX UNDER CONSTRUCTION CONSISTING OF 4 CONNECTED BARRACKS-TYPE BUILDINGS, 5 MISCELLANEOUS BUILDINGS, AND 3 BUILDINGS UNDER CONSTRUCTION.

UNSECURED ADMINISTRATION AREA CONTAINS 11 ADMINISTRATION-TYPE BUILDINGS ALONG THE ACCESS ROAD. PERSONNEL TRENCHING AND FOXHOLES ARE LOCATED WITHIN THE INSTALLATION, AND AN ELEVATED POSSIBLE PIPE/CABLE LINE EXTENDS FROM A POINT NEAR 1 OF THE REVETTED BUILDINGS TO 1 OF THE PROBABLE BARRACKS COMPLEXES.

25X1



25X1

DONG HOI HIGHWAY BRIDGE OVER RAO LE KY VN 1727N 10637E NO COMRX

SOUTH EDGE OF DONG HOI AT UTM XE732308.
HIGHWAY BRIDGE HAS 3 SPANS DESTROYED AND 1 SPAN DAMAGED. FERRY CROSSING WITH LANDING ON EACH SIDE OF RIVER IS OBSERVED IMMEDIATELY EAST OF BRIDGE. NO FERRIES OR OTHER ACTIVITY OBSERVED.

25X1



25X1

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